

BAND-it 250 1,6 m/s

STEEL BAND HOIST



GENERAL INFORMATION

The BAND-it 250 1,6 model is equipped as standard with an extra safety catch integrated in the gearbox and two silent theatre brakes, for silent and accurate operation. Its highly agile drop pulley, in combination with the steel band as load bearing line, is ideal for fast and swinging movements. It allows the highest available performance for scenic applications, operating in high speed with exact positioning.

APPLICATIONS

- Suited for a wide range of performances in scenic applications such as theatres, operas, auditoriums, concert halls, multipurpose venues and more
- Due to its light weighted design, it is ideal for mobile applications
- 3D flying, Performer flying of people

REGULATIONS

- DGUV V17/18
- EN 17206
- SIL3 (if supplied with ASM control)

FEATURES

- Extremely wide travel range : 45 m
- Load capacity : up to 250 kg
- Equipped with 5,5 kW motor
- Equipped as standard with an extra safety catch integrated in the gearbox and two silent theatre brakes

- Equipped as standard with one steel band as durable load bearing line
- High duty cycle
- Mountable under an I-beam, on a track and above a grid
- Allows diagonal hoisting to all sides regardless of the attached load
- Silent and accurate operation
- Load carrying device by means of tear proof tested eyelet
- Removable eyelet allows the steel band passing through most grids
- Optimal capacity of own weight ratio

BAND-it 250 range

The BAND-it 250 model with speed 1,6 m/s is part of a wider range of steel band point hoists. As ASM engineered each hoist to their fullest capacity, each model has their specific composition which cannot be altered. Special models can be offered on request.

	Speed in m/s	Hoist capacity in kg
BAND-it 250 1,6	1,6	250

BAND-it 250 1,6 m/s

STEEL BAND HOIST



TECHNICAL DATA

MODEL	BAND-it 250 - 1,6 - SIL3 Without PowerPack	BAND-it 250 -1,6 - SIL3 - GSG With PowerPack
Type	BAND-it 250 -1,6 - SIL3	BAND-it 250 -1,6-SIL3-GSG
Operating Mode	Synchronous (ready)	Synchronous
Regulation	DGUV 17 (before BGV C1), EN 17206	
SIL Level	SIL3 ready	SIL3
Hoist capacity on steel band	250 Kg	
Max Travel	45 m	
Max Speed	1,6 m/s	
Variable Speed	Yes, depending on control	Yes
Duty Cycle	Up to 76% / 50 Hz	
Noise Level	Approx. 48 dBA	
No. of Drops	1	
Load Bearing Line	Steel band 30 x 0,6 mm	
Load Carrying Equipment	Eyelet – included	
Type of Material - Chassis	Steel	
Chassis Colour	Black	
Type of Material - Cover	Aluminum/Steel	
Cover Colour	Black	
Installation method	On wheels or hanging	
Safety System	2 independent theatre brakes	
Gearbox Type	TDA 4.5 i=15,33	
Gearbox Design	Worm	
Gearbox Safety	2 x nominal torque / 400h lifetime + safety catch	
Motor Type	Asynchronous motor	
Motor Performance	5,5 kW, 4 pol	
Limit Switch	4 track (Stromag) DGUV V17 (2 x operational limits + 2 x absolute limits)	
Encoder System	2 x absolute encoder (SSI Interface) 1 x incremental encoder (TTL interface) (closed loop)	

BAND-it 250 1,6 m/s

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TECHNICAL DATA (CONTINUED)

MODEL	BAND-it 250 – 1,6 - SIL3 Without PowerPack	BAND-it 250 – 1,6 - SIL3 - GSG With PowerPack
Type	BAND-it 250 - 1,6-SIL3	BAND-it 250 -1,6-SIL3-GSG
Load Sensing (total load)	Load cell 4-20 mA SIL3	
Hoist Control Type	Not supplied	ASM GENESIS SIL3
Position of Hoist Control	Not supplied	External, ASM PowerPack
Control Equipment	None	GENESIS SIL3 PowerPack 7,5 kW with ASM TWINCORE SIL3 axis card, E-stop management and frequency inverter (16 kHz), including 2m multi-pin connection cable (Harting)
Cable Interface	ASM standard connector interface (Harting) incl. wiring scheme	ASM standard connector interface (Harting) between hoist and PowerPack, adapted to length as PowerPack is mounted on hoist
Main/Motor Supply	U1 / V1 / W1 / PE (400 V 50/60 Hz)	3 PH / N / PE (400 V 50/60 Hz) via external ASM PowerPack
Power Cable	Not supplied	1,8 m CEE 5 PIN-16 A
Dimension HxWxD Without external PowerPack	563 mm x 660 mm x 1724 mm	
Weight Without external PowerPack	150 kg	
Including	Eyelet	
	Documentation	

OPTIONS*

- Fixed installation available without wheels, foot and tilting arm
- Double reeved operation possible
- Mountable on a guiding track

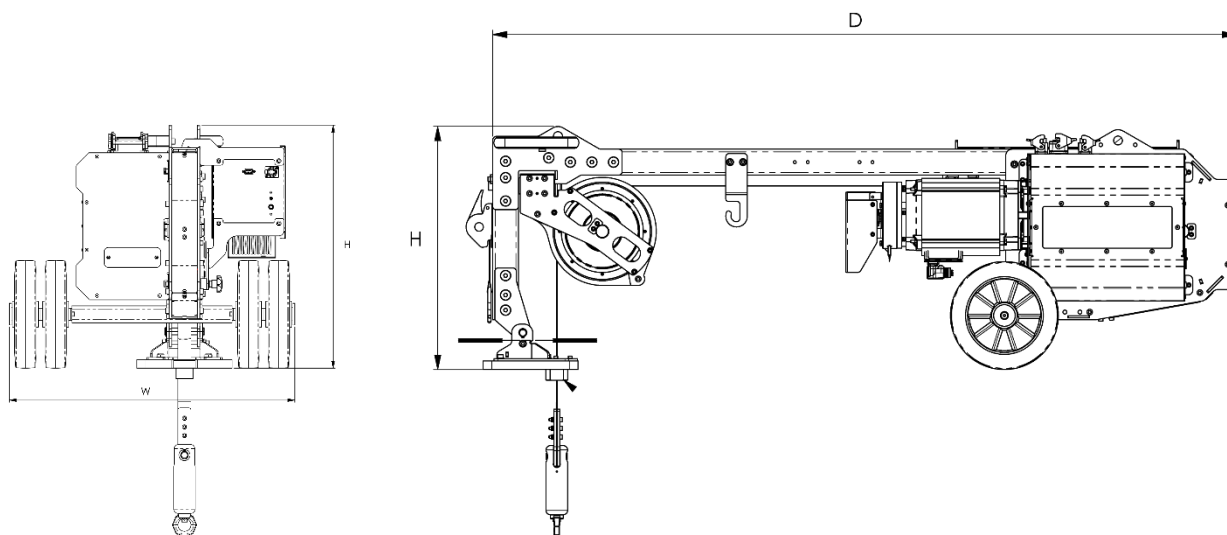
*available on request

BAND-it 250 1,6 m/s

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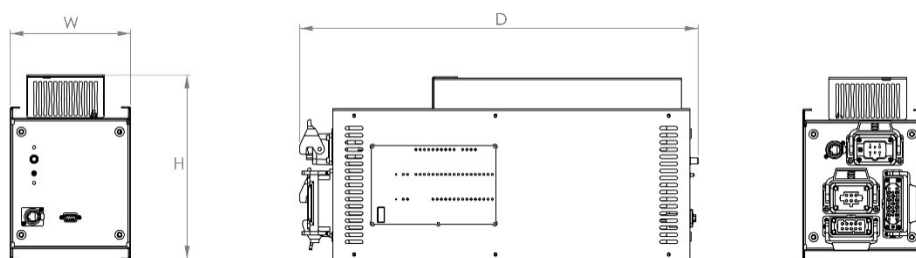
DIMENSIONS



Without PowerPack	BAND-it 250 1,6
Height	563 mm
Width	660 mm
Depth	1724 mm
Weight	150 Kg

COMPATIBLE CONTROL

BAND-it 250 1,6 m/s compatible with ASM's BG4 Power Pack 7,5 kW



Compatible PowerPack BG4	
Height	259 mm
Width	170 mm
Depth	564 mm
Weight	~ 16 kg



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Note: Specifications subject to change without notice. ASM shall not be liable for any inaccuracies or omissions which may occur therein.

GTC apply. commercial register HRB235. magistrates court Paderborn. DS/SB.BAND-it250-1,6/EN/170424

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